CLASS VI CRITICAL PRESSURE CALCULATION
ELK HILLS 26R PROJECT

Critical Pressure Calculation

Upper Tulare USDW Inputs

The Tulare Formation within the area of review (AoR) is an exempt aquifer or an unsaturated sand (Figure 1). The Lower Tulare Formation has been approved as an exempt aquifer, the area approved is shown in Figure 2.

Figure 1: Type well of the Tulare Formation.

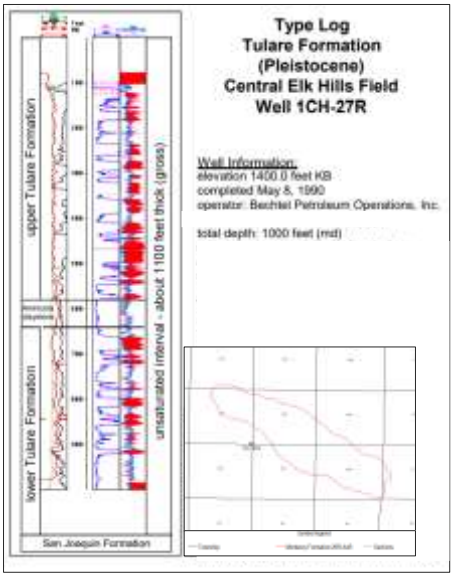
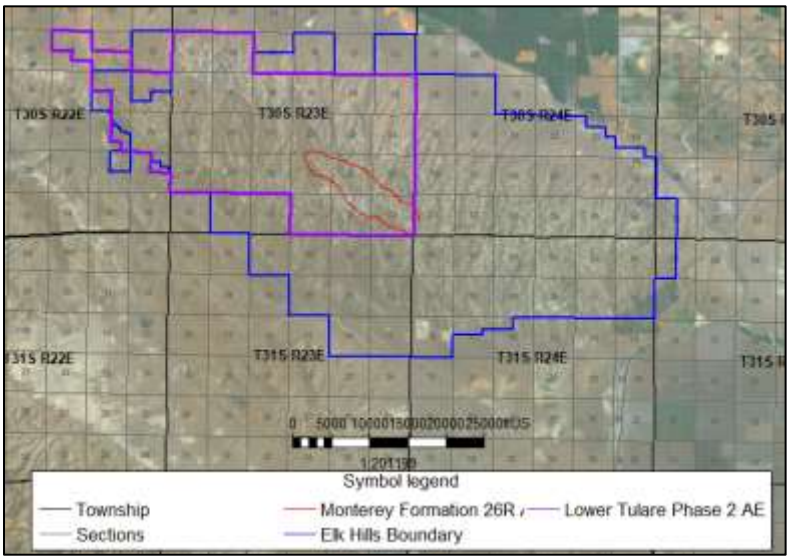


Figure 2: Lower Tulare aquifer exemption area.



Critical Pressure Calculation

Critical pressure does not apply for the project as there is no USDW.

Summary of AoR

The 26R reservoir is not connected to a regional aquifer with lateral and up-dip pinch out of sands. The pressure front will not go beyond the edges of the reservoir.

The final pressure of the Monterey Formation 26R reservoir will be at or below the initial reservoir pressure to ensure that CO_2 occupies the same pore space that was initially saturated with hydrocarbons and the pressure front is at equilibrium with initial conditions. As such, CTV defines the AoR as the aerial extent of the CO_2 plume.